BIT 2 102 COMPUTER SYSTEMS AND ORGANIZATION

Course Description

Classification of computers: size, types, and generations Fundamentals of PCs: Hardware. central processing unit (CPU), mother boards, central processing unit (CPU), hard disc and floppy disc: types, track, sector, cluster, access mode: sequential, random, indexed and access methods.

Memories: types and classification; random access memory (RAM), read only memory (ROM), cache, virtual storage, memory capacity peripheral devices: printer, monitor and keyboard. Software:

Operating systems. Purposes, organization. ROM BIOS. role of ROM BIOS. software utilities.

Information and data; bits and byte. Data representation: character codes, binary, octal, and hexadecimal numbers.